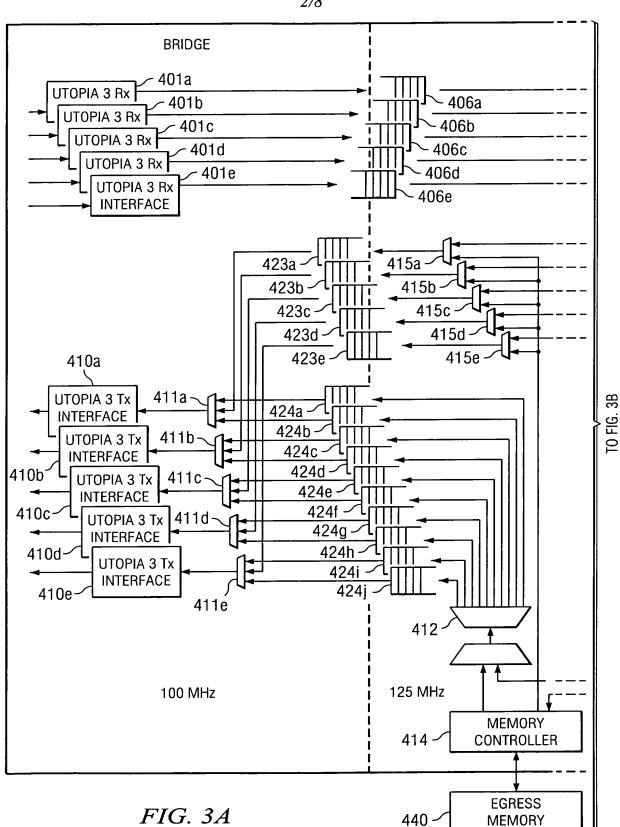


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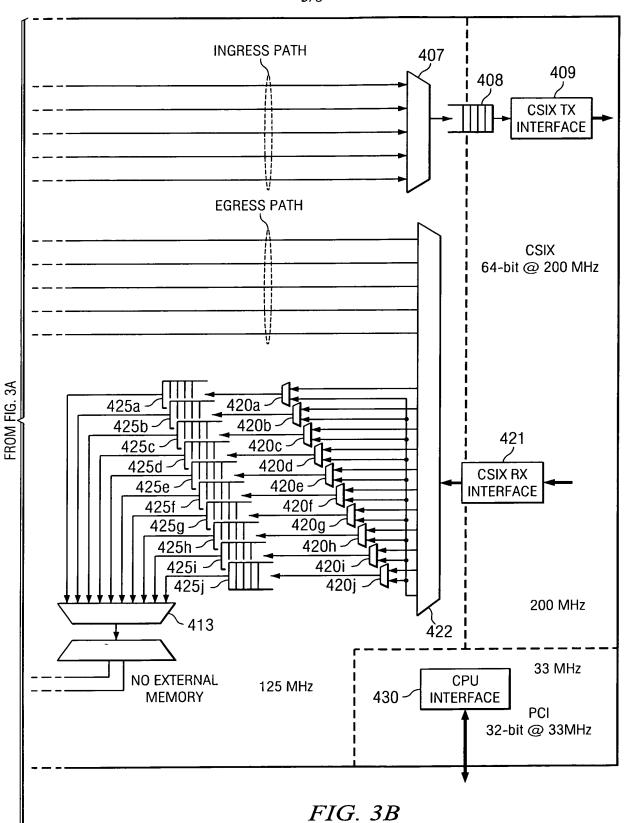


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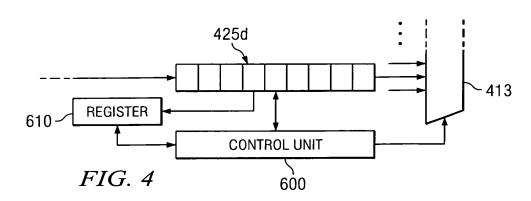


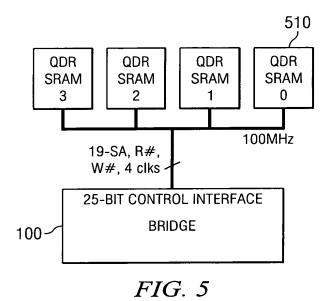
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510 QDR QDR QDR QDR **SRAM SRAM SRAM SRAM** 3 2 0 36 36 36 36 100 MHz DDR 144-BIT WIDE DATA AND **PARITY INTERFACE BRIDGE** 100-

FIG. 6

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	CYCLE 16	CYCLE 15	CYCLE 14	CYCLE 13	CYCLE 12	CYCLE 11	CYCLE 10	CYCLE 9	CYCLE 8	CYCLE 7	CYCLE 6	CYCLE 5	CYCLE 4	CYCLE 3	CYCLE 2	CYCLE 1	
				A80 ‡ A79 ‡ A78 ‡ A77 ‡ A76 ‡ A75 ‡ A74 ‡ A73 ‡ A72 ‡ A71 ‡ A70 ‡ A69 ‡ A68 ‡ A67 ‡ A66 ‡ A65	.A64 A63 A62 A61 A60 A59 A58 A57 A56 A55 A54 A53 A52 A51 A50 A49	#A46#A45#A44#A43#A42#A41#A40#A39#A38#A37#A36#A35#A34#A33	#A30 #A29 #A28 #A27 #A26 #A25 #A24 #A23 #A22 #A21 #A20 #A19 #A18 #A17	6‡A15‡A14‡A13‡A12‡A11‡A10=A9=A8=A7=A6=A5=A4=A3=A2=A1				. A80 ‡ A79 ‡ A78 ‡ A77 ‡ A76 ‡ A75 ‡ A74 ‡ A73 ‡ A72 ‡ A71 ‡ A70 ‡ A69 ‡ A68 ‡ A67 ‡ A66 ‡ A65 ·	. 464 463 462 461 460 459 458 457 456 455 454 453 452 451 450 449	A34 = A33	#A30 #A29 #A28 #A27 #A26 #A25 #A24 #A23 #A22 #A21 #A20 #A19 #A18 #A17	A16	BYTE BYTE BYTE BYTE BYTE BYTE BYTE BYTE
	_			67 ‡ A6	51 ‡ A5	35 <u>∓</u> A3	19 = A1	(3∰A;				67 ‡ A6	51 ₹ A5	35 <u>±</u> A3	19 <u>∓</u> A1	\3 <u>∓</u> A	TE BY
				468∄AI	452∄A	436∓A	420∄A	A4 <u>∓</u> A				468∄A	452 ± A	436±A	420∄A	A4 <u>∓</u> /	SYTE BY
FIG. 7				. 469∓	A53=	A37 = /	A21 =	= 45				7±69¥	A53±/	#A46 #A45 #A44 #A43 #A42 #A41 #A40 #A39 #A38 #A37 #A36 #A35	A21 ₹	E 45=	BYTE B
FI				= A70	A54	± A38	A22	= A6 =	•			= A70	=A54	= A38	± A22	= A6	BYTE 6
		-		2±A71	5±A55	A55 A39	4 <u>∓</u> A23	(± 47				2=A71	6±A55	0 <u>∓</u> A39	4± A23	3 <u>∓</u> A7	E BYTE
	_			73 <u>‡</u> A7;	57 <u>∓</u> A5	11 <u>‡</u> A4(25 ± A2,	9 <u>∓</u> 48				73±A7	57 ± A5	41 <u>±</u> A4	25 ± A2	.9 ‡ A8	TE BYI
				\74 ∓ A7	\58∄A!	\42 ₹ A⁄	\26 <u>∓</u> A;	\10				174 ± A	\58 ± A	142	126 ± A;	410≢A	YTE BY
SED				A75±/	A59 <u>‡</u> /	A43∄	A27 🗐	A11 <u>∓</u> /				A75±	A59 <u>∓</u> /	A43=/	A27 1	A11 ₹/	BYTE B
JUNUSED				A76	A60	A44	A28	A12				± A76	460	A44	A28	±A12	BYTE 12
				3±A77	2 <u>∓</u> A61	3 <u>±</u> A45) <u>‡</u> A29	4∓A13			_	3±A77	2 = A61	5 <u>∓</u> A45	0±A29	4 <u>∓</u> A13	E BYTE
20				.9±A78	33 <u>∓</u> A62	17 ‡ A4(31 - A3(5 <u>∓</u> A14				79±A7≀	33 I A6′	17 ± A4(31 - A3(15 <u>‡</u> A1,	TE BYT 5 14
ECC	_			.80 ‡ A7	.64 ‡ A6	A48 A47	A32 - A31	16 <u>=</u> A1				\80∓A7	\64 ± A6	A48 A47	A32‡A31	\16 <u>∓</u> A`	YTE BY 16 1
				ĽĽĽ	ECC 7 F	ECC 5	ECC 3 1 7	ECC 1 A1				ECC 9 [7	ECC 7 157	ECC 5 7	ECC 3 E	ECC 1 1	
ERAME DATA				0 ECC 9				-								==	
				ECC 10		ECC 6	ECC 4	ECC 2				ECC 10	ECC 8	ECC 6	ECC 4	ECC 2	
						DDR J							<u>.</u>	DDR J		<u> </u>	,
					ı	DDR BURST 2							1	DDR BURST 1			

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	CYCLE 16	CYCLE 15	CYCLE 14	CYCLE 13	CYCLE 12	CYCLE 11	CYCLE 10	CYCLE 9	CYCLE 8	CYCLE 7	CYCLE 6	CYCLE 5	CYCLE 4	CYCLE 3	CYCLE 2	CYCLE 1	
			ECC 1			EA33∃ (A17= (- 			ECC 1			=A33≡ (BYTE 1
			ECC 2	= A74 == A73 == A72 == A70 == A69 == A68 == A67 == A65 ==	=A50==A49=	EA34==	=A18==A17=	=A2==A1=		:	ECC 2	= A74 = A73 = A72 = A71 = A70 = A69 = A68 = A67 = A66 = A65	=A50 == A49=	=A34==	=A18==A17=	=A2==A1=	BYTE 2
			ECC 3 FECC 2	#67	=A51	=A35=	A19	= A3			ECC 3 ECC 2	-Y67	=A51	=A35=	=A19		BYTE BYTE 3 2
		<u></u>	ECC 4	_468	=A52=	=A36=	=A20==A19=	======================================			ECC 4	= A68	=A52=	= A36=	= A20	==A5====A4====A3==	BYTE 4
∞			ECC 6 ECC 5 ECC 4	= 469	=A53=	=A37=	=A21	==A5==			ECC 6 ECC 5 ECC 4	=469	=A53=	=A37=	=A21	=A5	BYTE 5
FIG. 8			ECC 6	=A70=	=A54=	=A38=	=A22=	<u>=</u> 98=			ECC 6	=A70=	=A54=	= A38=	=A22=		BYTE 6
			ECC 7	=A71=	=A55==A54=	=A39==A38=	=A23=	=A8==A7=			ECC 7	=A71=	=A56==A55==A54=	=A39 == A38=	=A24==A23==A22=	==A8====A6==	BYTE 7
		-	ECC 8	=A72∃	=A57==A56=	= A40=	=A24=	=_A8			ECC 8	=A72=	=A56=	=A40=	=A24=		BYTE 8
			ECC 10 ECC 9 FECC 8 ECC 7	=A73=		= A41 =	= A31 = A29 = A28 = A27 = A26 = A25 = A24 = A23 = A22	2=A11=A10=A9			ECC 10 ECC 9 ECC 8 ECC 7	=A73=	=A58===A57≡	=A41=	= A32 == A31 == A30 == A28 == A27 == A26 == A25	6V⊒	BYTE 9
UNUSED			ECC 10	=A74=	=A58=	=A42=	=A26=	=A10=			ECC 10	=A74=		= A42=	_A26=	=A16 = A15 = A14 = A13 = A12 = A11 = A10	BYTE 10
ONU				=A75	=A60==A59=	=A43=	=A27=	=A11=			-	=A75=	_A59_	=A43=	= A27	=A11=	BYTE 11
				=A76=	A60	= A44	A28	A12=				=A76	ΞA(=A45===A44=	_A28	=A12=	BYTE 12
ECC				= A77 =	= A61	= A45	_A29=	=A13==A1				=A77	A61=		_A29	=A13	BYTE 13
الحصا				=A78=	=A62=	=446=	A30	=A14=				=A78=	=A62=	A46	A30	=A14	BYTE 14
FRAME DATA				= A79	= A63	= A47	= A31	=A15=				=479		=A48==A47==A46=	A31	A15	BYTE 15
				=A80=	=464=	=A48=	=A32=	=A16=				= A80	=464	=A48	=A32	=A16	BYTE 16
			`		-	DDR J			,		`			DDR			

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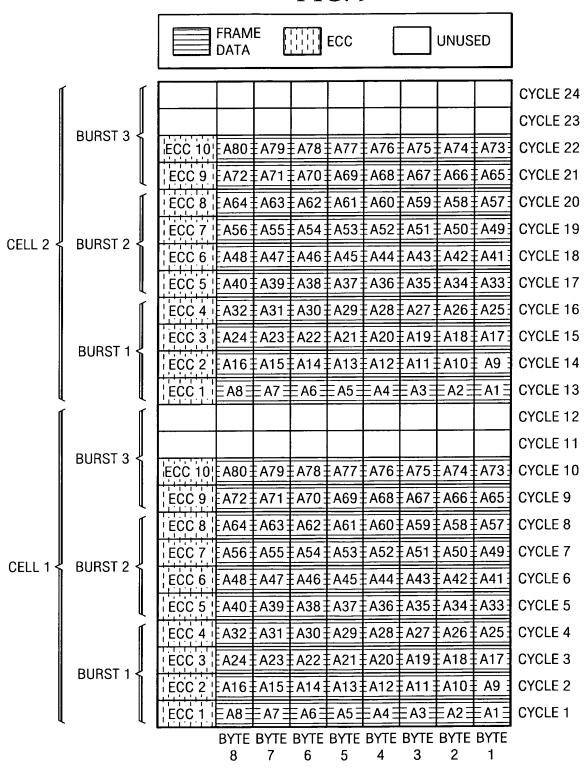
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FIG. 9



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			FRAME DATA	E	СС	un	NUSED	FIC	7. 10	
[ECC 10	ECC 9	CYCLE 24
CELL 2	BURST 3	ECC 8	ECC 7	ECC 6	ECC 5	LECC 4	ECC 3	ECC 2	ECC 1	CYCLE 23
	BUR	= A80	=A79=	=A78=	= A77=	= A76=	= A75=	= A74=	= A73=	CYCLE 22
	Į	=A72=	=A71=	=A70=	=A69=	=A68=	=A67=	= A66=	= A65=	CYCLE 21
	1	■ A64 =	A63=	A62=	=A61=	=A60=	A59	<u>=</u> A58=	A57=	CYCLE 20
	ST 2	=A56=	A55	A54	A53=	= A52=	= A51 =	= A50=	= A49=	CYCLE 19
	BURST	=A48=	A47 <u>=</u>	A46	A45 <u></u>	= A44=	=A43=	_A42=	A41=	CYCLE 18
		A40	A39	= A38=	=A37=	=A36=	A35	A34	=A33=	CYCLE 17
	1	= A32=	A31 <u></u>	=A30=	A29∃	A28 <u></u>	=A27=	= A26=	=A25=	CYCLE 16
	ST 1	= A24 =	A23=	A22 <u>=</u>	A21 <u></u>	A20 <u>=</u>	=A19=	A18	=A17=	CYCLE 15
	BURST 1	A16	A15	A14 <u></u>	_A13 <u>_</u>	A12	A11 <u>=</u>	=A10=	■ A9	CYCLE 14
			A7 <u></u>	A6=	A5	A4 <u></u>	= A3 =	A2	E A1	CYCLE 13
ſ								ECC 10	LECC 9	CYCLE 12
	BURST 3	ECC 8	ECC 7	ECC 6	ECC 5	ECC 4	ECC 3	ECC 2	ECC 1	CYCLE 11
			A79	=A78=	■ A77	=A76=	= A75=	A74=	=A73=	CYCLE 10
:		=A72=	A71 <u></u>	=A70=	=A69=	= A68	=A67=	A66	=A65=	CYCLE 9
	1		A63=	A62=	= A61 =	=A60=	= A59≡	A58	A57=	CYCLE 8
L 1	ST 2	A56	A55	=A54=	= A53≡	= A52=	= A51 =	A50	_A49=	CYCLE 7
CELL	BURST 2	=A48=	A47 <u></u>	A46=	A45	A44 <u>=</u>	= A43=	A42_	A41 <u></u>	CYCLE 6
		=A40=	A39=	A38=	=A37=	=A36=	= A35 =	= A34 =	A33	CYCLE 5
	1	=_A32=	A31	A30=	_A29	A28	= A27=	A26=	= A25=	CYCLE 4
	ST 1			=A22=	A21 <u></u>	=A20=	A19=	A18	=A17=	CYCLE 3
	BURST 1	=A16=	=A15=	=A14=	=A13=	=A12=	= A11 =	= A10=	= A9 =	CYCLE 2
	$\lfloor \ \ $		A7	A6	A5	A4	A3	A2	EA1≡	CYCLE 1
		BYTE 8	BYTE 7	BYTE 6	BYTE 5	BYTE 4	BYTE 3	BYTE 2	BYTE 1	-